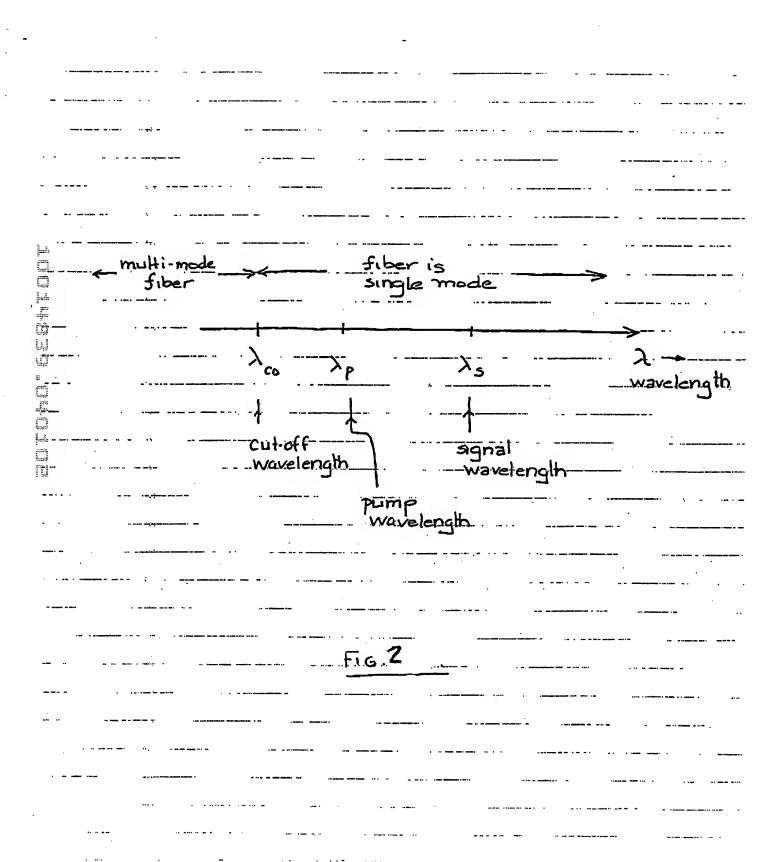
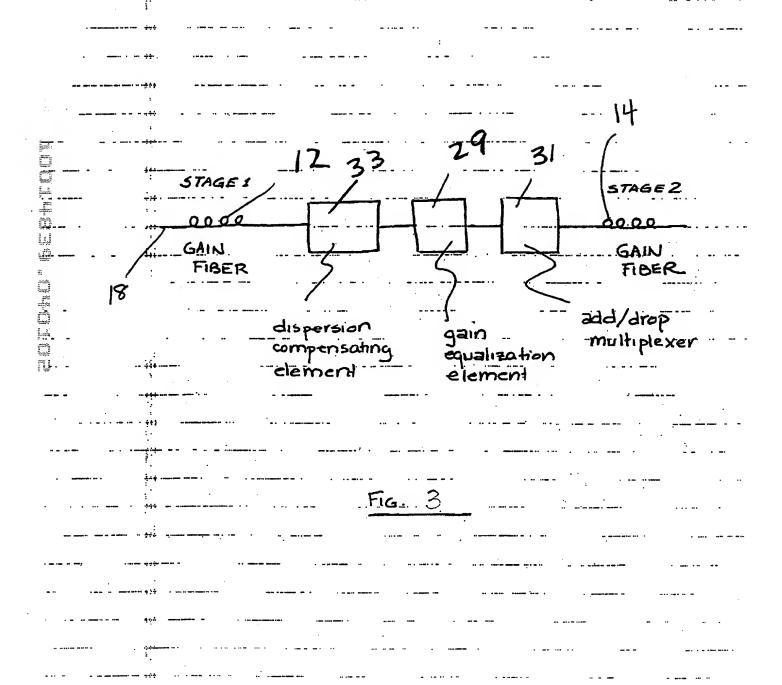


FIG. 1

Ai





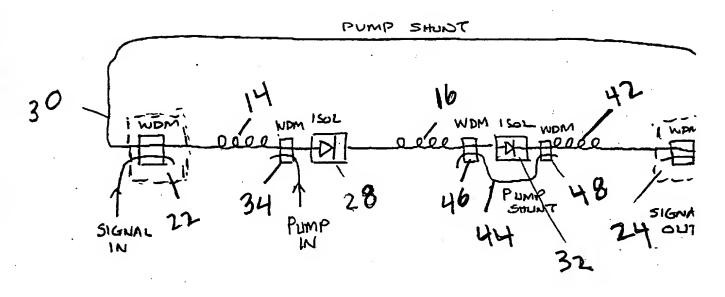
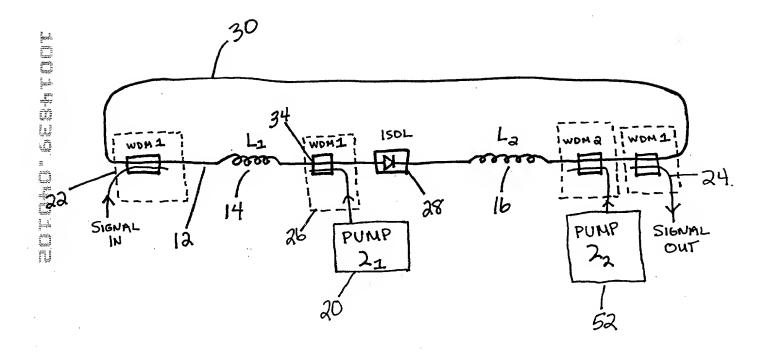
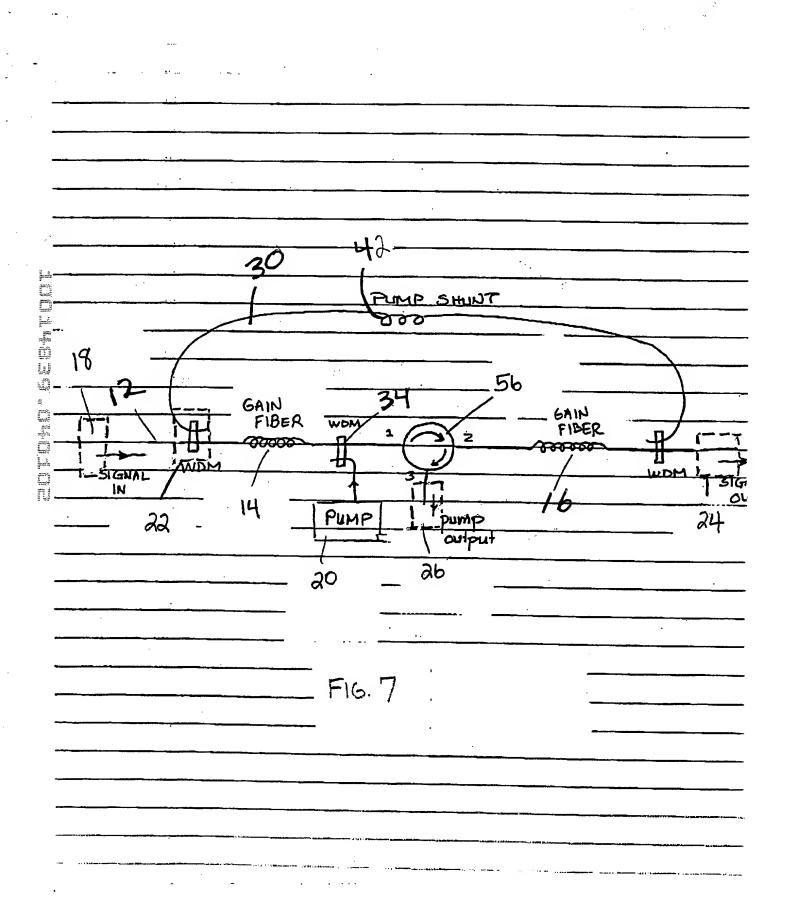
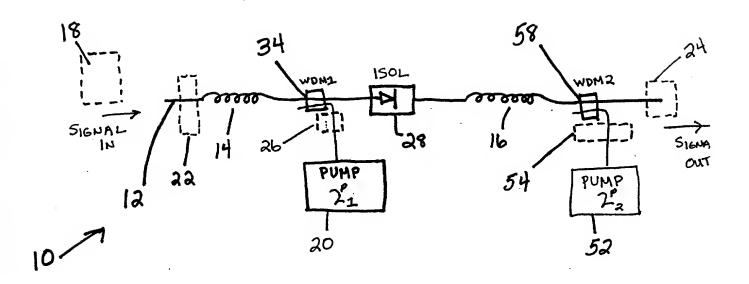


Fig. 4

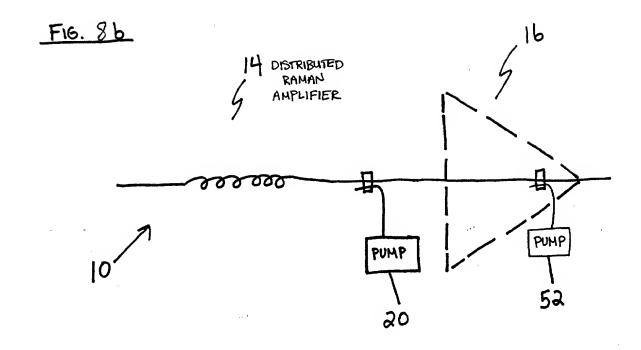


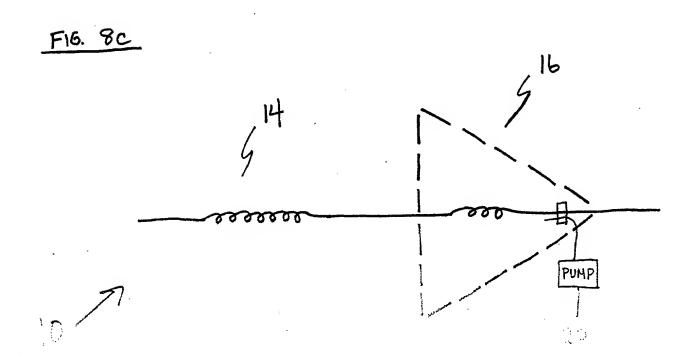
F16.6





F16. 8





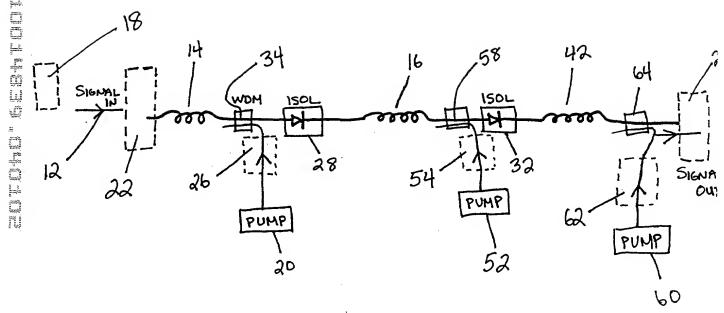
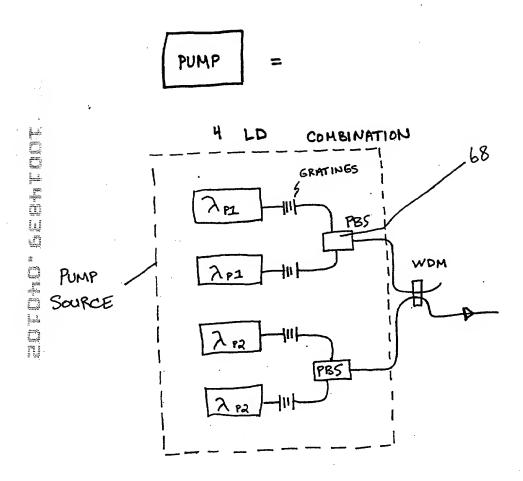
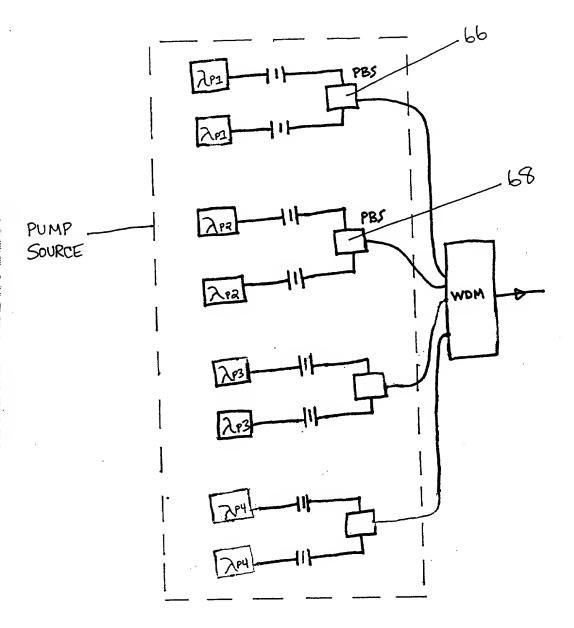


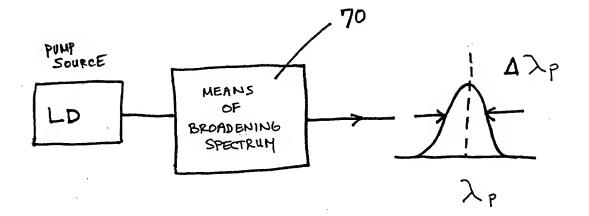
FIG.



F16.10



F16. ||



F16. 12

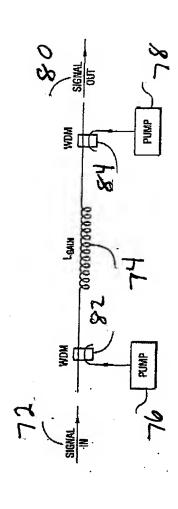
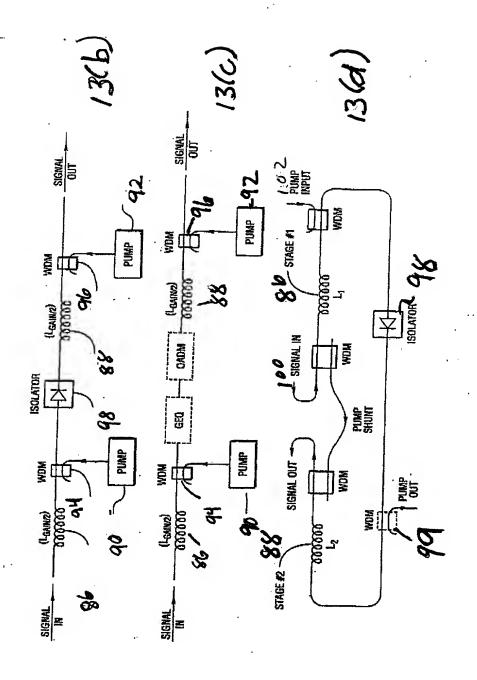
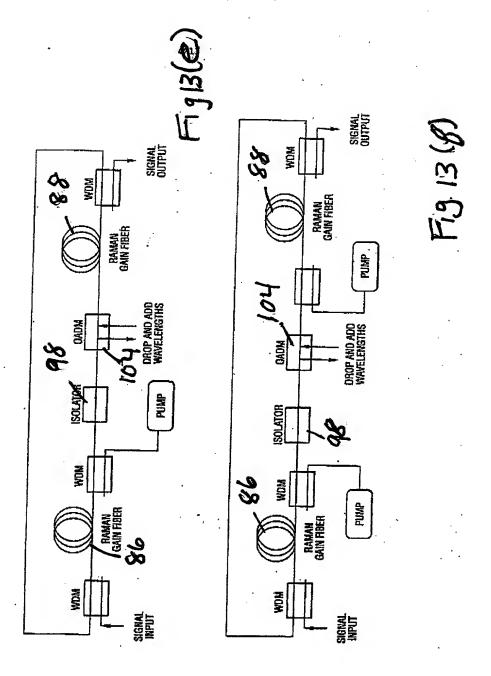
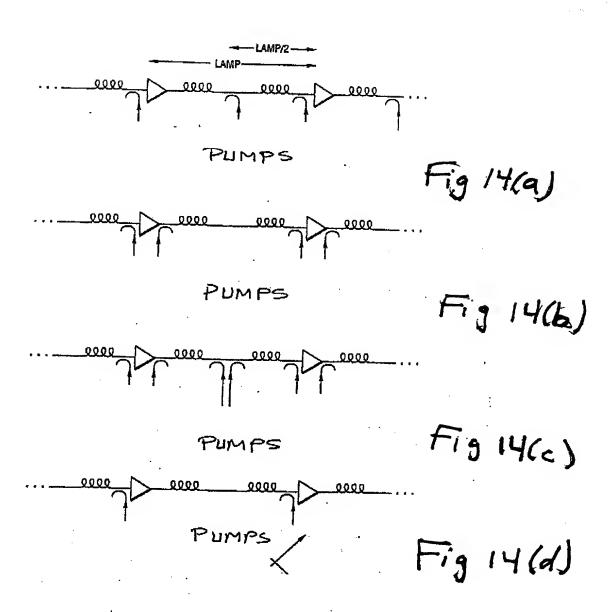
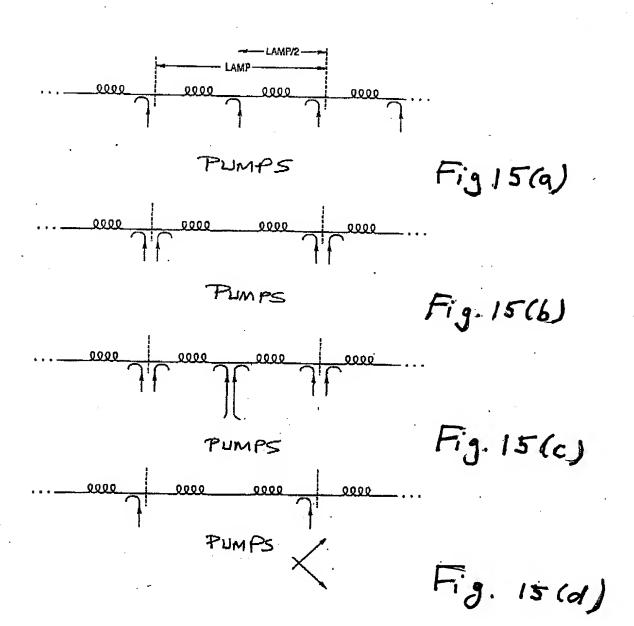


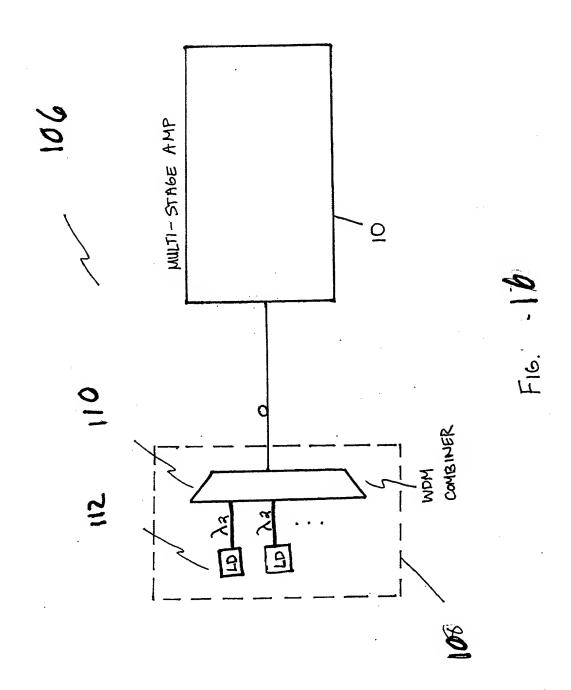
Fig 13 (a)

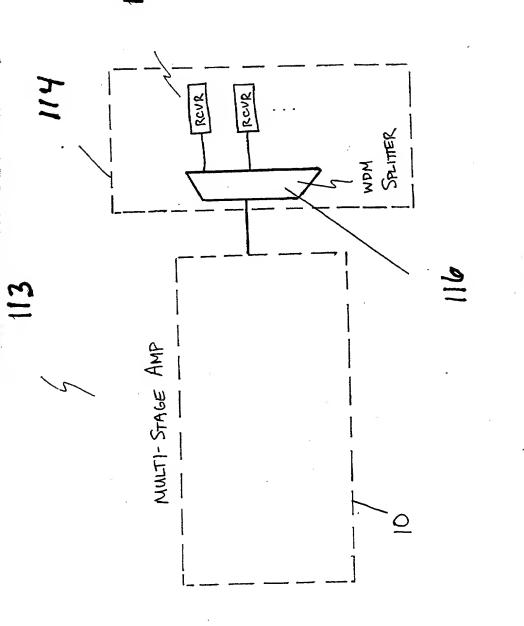




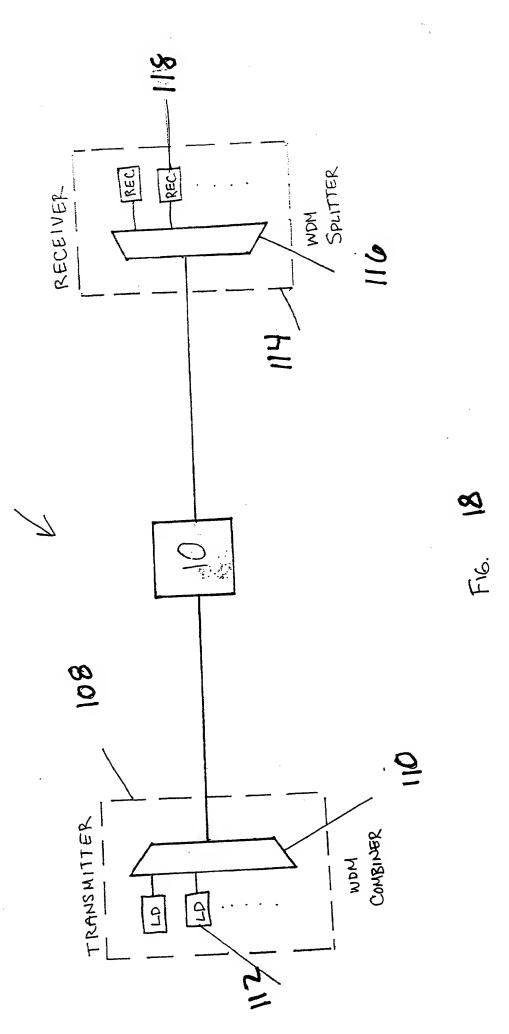




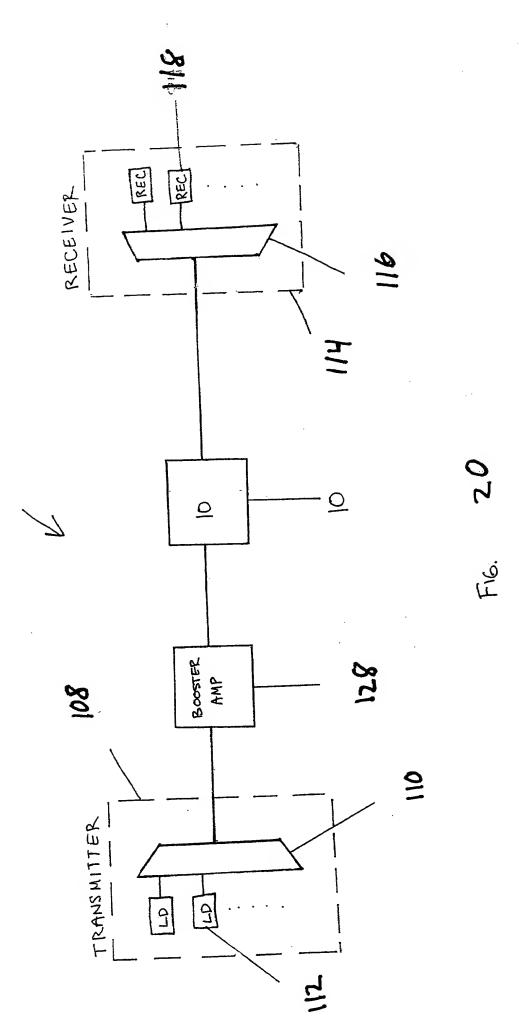


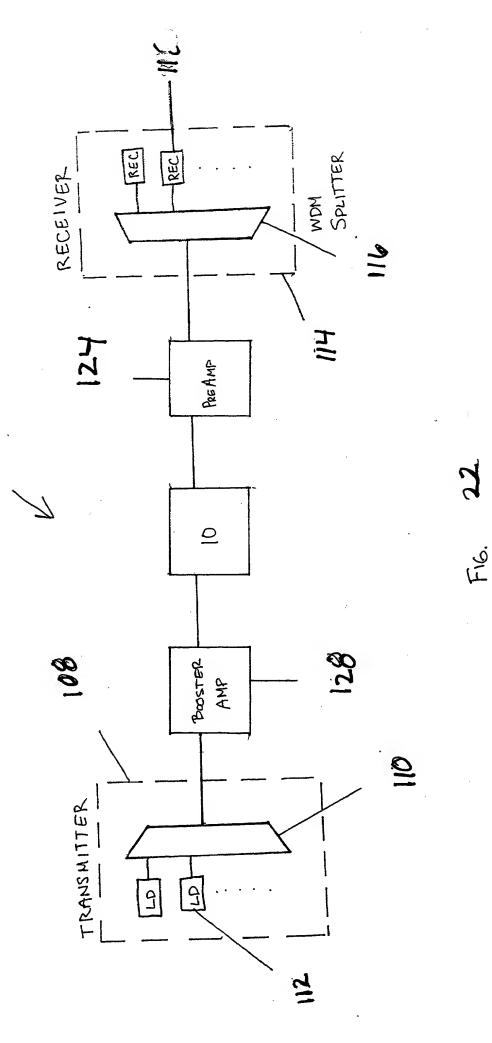


16.



F16.





218 214 distributed Plaman 228 discrete 220 Plaman amplifier sociolo 1 20000 1 2000 1

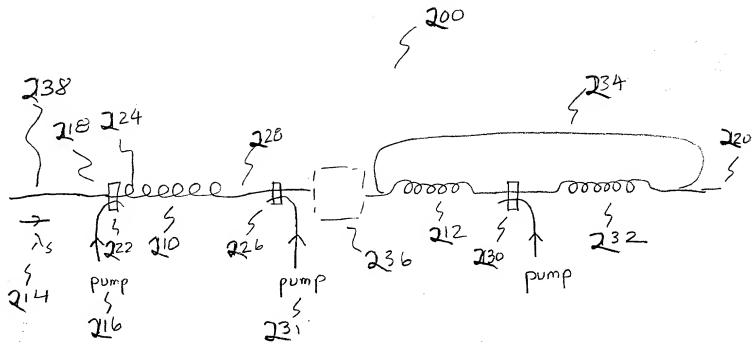


Fig 23 (b)

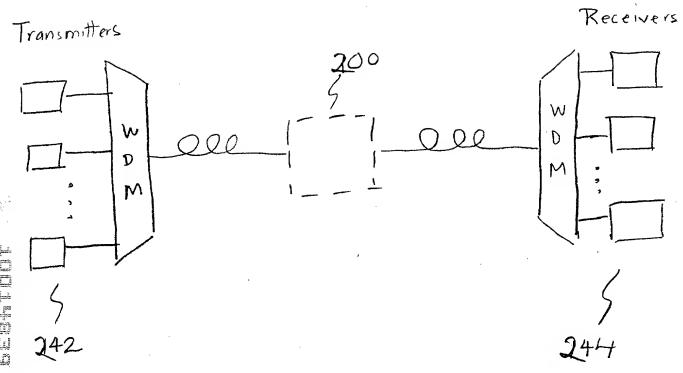
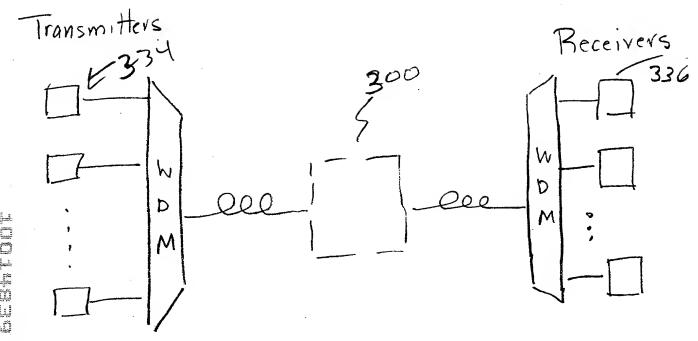
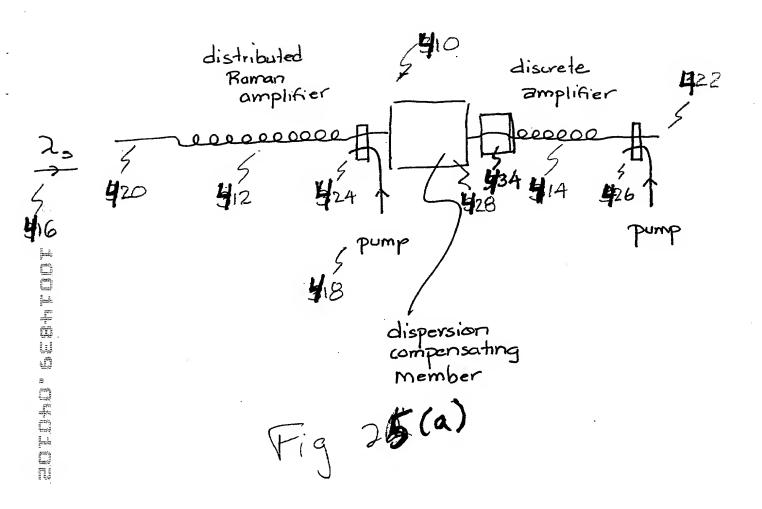


Fig 23.(c)

discrete amplifier distributed Raman amplifier 00000



Fra. 24(b)



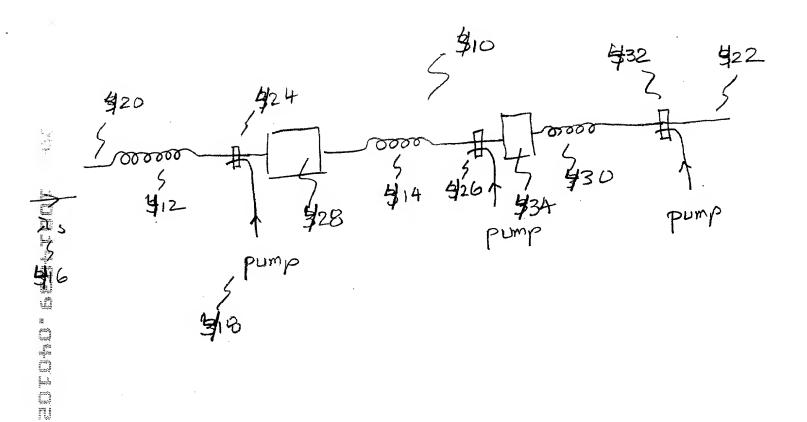


Fig. 25(b)

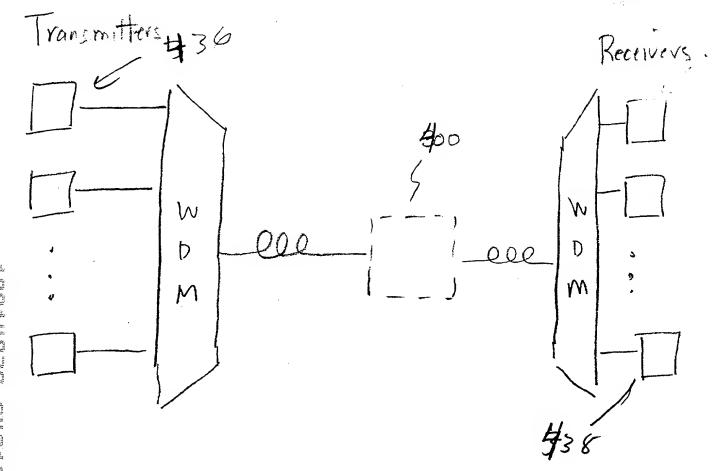
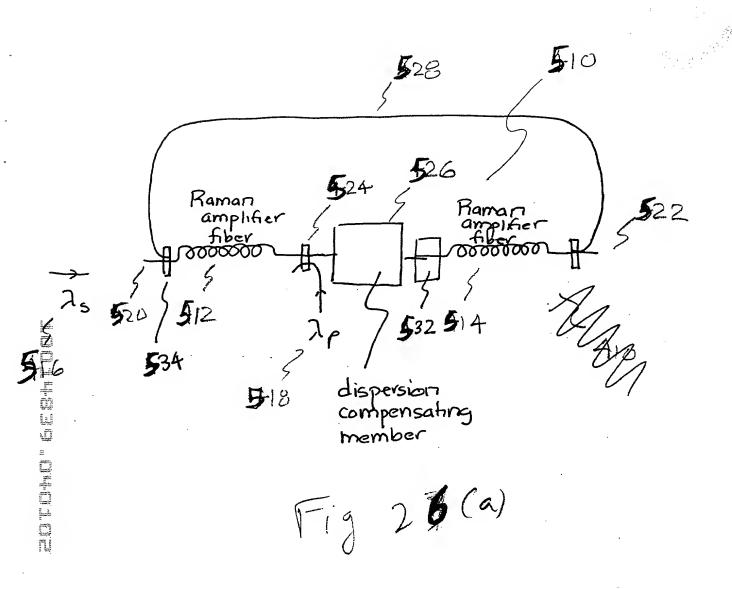


Fig 25.(c)



\$10 \$500 \$528 \$434 \$7000000 \$100000 \$100000 \$100000 \$1000000 \$1000000 \$1000000 \$1000000 \$1000000 \$1000000 \$1000000 \$10000000 \$1000000 \$1000000 \$1000000 \$10000000 \$10000000 \$1000000 \$10000000 \$10000000 \$100000

F16 26 (6)

Transmitters

Receivers

Sou

Month

Dec 1 200 Mills

536

Fig. 26(c)